

patent attorneys

January 16, 2004

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"Express Mail" mailing number .: _ _EV 412 494 220 US Date of Deposit January 16, 2004 I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

> Re: U.S. Patent Application for

> > SYSTEMS AND METHODS FOR PRODUCING SINGLE-WALLED CARBON NANOTUBES (SWNTS)

SUBSTRATE

Our Ref. No. 180/167/2

Sir:

Please find enclosed the following:

- 1. Utility Patent Application Transmittal Form (Form PTO/SB/05, 2 pages);
- 2. Fee Transmittal Form (Form PTO/SB/17, 1 page) in duplicate;
- 3. A U.S. patent application for SYSTEMS AND METHODS FOR PRODUCING SINGLE-WALLED CARBON NANOTUBES (SWNTS) ON A SUBSTRATE (43 pages);
- 4. Twenty-Four (24) sheets of formal drawings;
- 5. Unexecuted Declaration (3 pages);
- 6. Information Disclosure Statement (2 pages);
- 7. Form 1449 (1 page) in duplicate;

Commissioner for Patents January 16, 2004 Page 2

- 8. Copies of cited references (3 references);
- 9. A return-receipt postcard to be returned to our offices with the U.S. Patent and Trademark Office date stamp thereon; and
- 10. A Certificate of Express Mail No.: EV 412 494 220 US.

Please contact our offices if there are any questions.

The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account Number <u>50-0426</u>.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Richard E. Jenkins

Registration No. 28,428

REJ/BJO/gwc

Enclosures

Customer No.: 25297

180/167/2

UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	180/167/2					
First Inventor	Jie Liu					
Title	See 1 in Addendum					
Everass Mail Lahal No	EV 412 494 220 HS					

(only for non-nonprovidental applications under or or it inco(b))	Express Mail Label No. EV 412 494 220 US					
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450					
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 43] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS					
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 24] 5. Oath or Declaration [Total Sheets 3]	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable)					
a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	12. X Information Disclosure X Copies of IDS Statement (IDS)/PTO-1499 Citations 13. Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:					
18. If a CONTINUING APPLICATION, check appropriate box, and supp specification following the title, or in an Application Data Sheet under 37	7 CFR 1.76:					
Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
X Customer Number: 25297	OR Correspondence address below					
Name 23297						
Address						
City	State Zip Code					
	elephone Fax					
Name (Print/Type) Richard S. Jenkins Signature	Registration No. (Attorney/Agent) 28,428					
Signature ITA /A (A ~A ~ ~ ARA)	Date - 6-01					

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Addendum

1. SYSTEMS AND METHODS FOR PRODUCING SINGLE-WALLED CARBON NANOTUBES (SWNTS) ON A SUBSTRATE

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE	TRA	N	SMI	TTAL
1	for F	Y	200	3

Effective 01/01/2003. Patent fees are subject to annual revision.

|X| Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

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C mplete if Known				
Application Number	To Be Assigned			
Filing Date	Herewith			
First Named Inventor	Jie Liu			
Examiner Name	To Be Assigned			
Art Unit				
Attorney Docket No.	180/167/2			

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
Check Credit card Money Other None		3. ADDITIONAL FEES							
X Deposit Account:		<u>Large</u>	Large Entity Small Entity						
Denosit		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid		
Account Number		50-0426		1051	130	2051	65	Surcharge - late filing fee or oath	reeraid
Deposit Account	Jenkins, Wi	lson & Taylor,	P.A.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Commiss	ioner is authorized t	to: (check all that ap	n/v)	1053	130	1053	130	Non-English specification	
	(s) indicated below	X Credit any ov	• •	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
		ring the pendency of t		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
	(s) indicated below, e	except for the filing	fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
to the above-id	FEE CALC			1251	110	2251	55	Extension for reply within first month	
1. BASIC FI		JULATION		1252	410	2252		Extension for reply within second month	
Large Entity S				1253	930	2253	465	Extension for reply within third month	
Fee Fee	Fee Fee Fee C	<u>Description</u>	Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
1001 750	Code (\$) 2001 375 Util	lity filing fee		1255	1,970	2255	985	Extension for reply within fifth month	
1002 330		sign filing fee	385.00	1401	320	2401	160	Notice of Appeal	
1003 520	2003 260 Pla	ant filing fee		1402	320	2402	160	Filing brief in support of an appeal	
1004 750	2004 375 Rei	issue filing fee		1403	280	2403	140	Request for oral hearing	
1005 160	2005 80 Pro	ovisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
l	SUBT	TOTAL (1) (\$) 3	85.00	1452	110	2452	55	Petition to revive - unavoidable	
2 EVIDA		OR UTILITY AND		1453	1,300	2453	650	Petition to revive - unintentional	
Z. LAIRA		Fee from	n	1501	1,300	2501	650	Utility issue fee (or reissue)	
Total Claims 68 -20** = 48 x 9 = 432 Independent 7 -3** = 4 x 43 = 172 Multiple Dependent 7		1502	470	2502	235	Design issue fee			
			1503	630	2503	315	Plant issue fee		
		1460	130	1460	130	Petitions to the Commissioner			
Large Entity Small Entity			1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		
Fee Fee	Fee Fee	Fee Description		1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$) 1202 18	Code (\$) 2202 9 Cla	aims in excess of 20		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18		dependent claims in ϵ	excess of 3	1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280	2203 140 Mu	ultiple dependent claii	m, if not paid	1810	750	2810	375	For each additional invention to be	
1204 84		Reissue independent over original patent	claims	1801	750	2801	375	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
1205 18		Reissue claims in exc and over original pate		1802	900	1802	900	Request for expedited examination of a design application	
				Other	fee (sn	ecify)		or a design application	
SUBTOTAL (2) (\$\) 604.00		Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00				0.00			
**or number previously paid, if greater; For Reissues, see above			see anove					(Complete (if applicable)	0.00

Registration No. Name (Print/Type) Richard E. Jenkins Telephone 919-493-8000 28,428 (Attarney/Agent) Signature

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.